



PUBLIC FUNDING MEASURES FOR THE BLUE BIOECONOMY

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Horizon Europe

WHAT FUTURE WILL BRING

- Blue bioeconomy funding opportunities in the next period Horizon Programme.
 - Budget was planned **€100 billion** for research and innovation.
 - **Period 2021-2027.**
 - **Member states + Associated countries** (e.g. Norway, UK, Ukraine etc) + **Third countries** (China, African countries etc.).
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Horizon Europe vision

- Tackling **climate change** (35 % budgetary target)
- Helping to achieve **Sustainable Development Goals (SDG)**
- Boosting the Union's **competitiveness and growth**

- **Goal is to:**
 - strengthen scientific and technological bases
 - boost innovation capacity and jobs
 - deliver on citizens' priorities and sustain our socio-economic model and values



Pillar 1

Excellent Science

European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3

Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

Pillar 2

CLUSTER 6 „FOOD, BIOECONOMY, NATURAL RESOURCES, AGRICULTURE AND ENVIRONMENT

Pillar 2

Global Challenges and
European Industrial
Competitiveness

Clusters

- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

- Need for a transformative change of the EU economy and society
- To reduce environmental degradation, halt and reverse the decline of biodiversity and to better manage natural resources
- To serve the EU's climate objectives and ensuring food and water security.

Keywords in Cluster 6

WORK PROGRAMME 2021-2022

- **PS! Initial info. Can change!**
- Many aquaculture/fisheries **keywords** in the topics:
 - Sea to Fork
 - Blue bioeconomy, biotechnology
 - Unlocking algae's potential
 - Biodiversity in primary production
 - Genetic resources
 - Nature based solutions
 - Sustainable fisheries and aquaculture
 - Transforming food systems

Pillar 3

INNOVATIVE EUROPE



- **EIC** – European Innovation Council
- Support rapid scale-up of innovative companies
- Mainly SMEs, start-ups and in exceptional cases small mid-caps at EU and international levels
- Two complimentary instruments:
 - **Pathway (grants):** from ideas to market
 - **EIC Accelerator will continue.** Applying conditions will be changed. **First cut-off** planned end of **Q2 2021**.



PARTNERSHIPS IN THE HORIZON PROGRAMME

WATER4ALL

BLUE BIOECONOMY

New partnerships

NEW APPROACH TO EUROPEAN PARTNERSHIPS

- New generation of objective-driven and more ambitious partnerships

Co-programmed – implemented independently by partners and HE

Co-funded - Based on joint agreed by partners. Member states (MS) had to join.

Institutionalised – based on Articles 185 / 187 and EIT-Regulation

Water4All

CO-FUNDED PARTNERSHIP

- **European Partnership Water Security for the Planet**
- Starts 2021-22. MS had to join.
- Each MS chooses who they will fund and what kind of activities.
- **Aim:** By 2030, it intends to achieve reduced water stress, increased protection of water resources and ecosystems and enhanced resilience, mitigation and adaptation of water systems to global changes.

Blue Bioeconomy

CO-FUNDED PARTNERSHIP

- **European Partnership for a climate neutral, sustainable and productive Blue Economy**
- Starts 2021-22. MS had to join.
- **Aim:** achieve a climate-neutral, sustainable and productive Blue Economy that preserves biodiversity by 2030.
- Call will be part of Cluster 6 Work Programme.

Missions

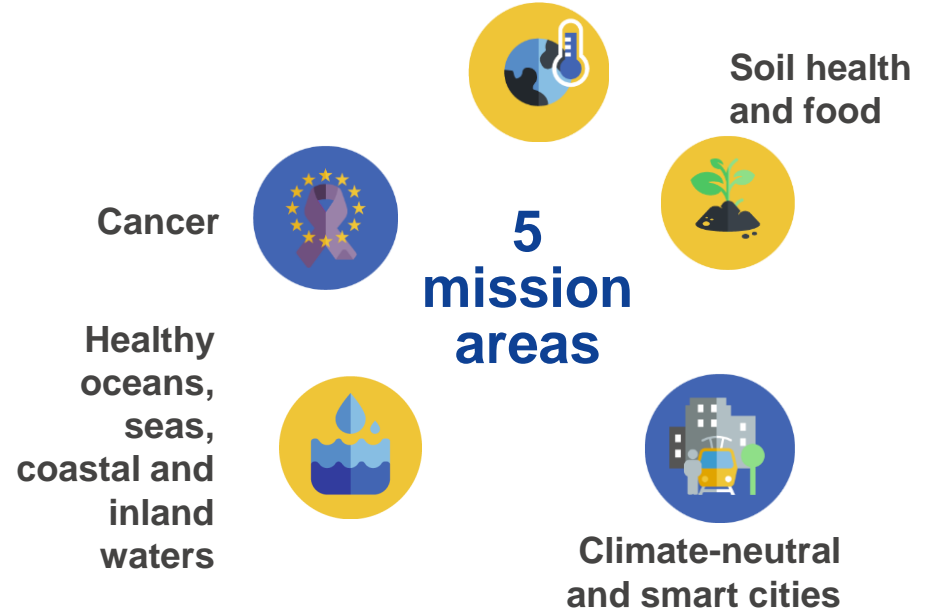
INTRODUCTIONS OF
MISSIONS WITH EMPHASIS
ON WATER MISSION

Missions

R&I
Missions

Connecting to citizens: will relate EU's research and innovation to society and citizens' needs, with strong visibility and impact

Adaptation to climate change, including societal transformation



How would Missions work?

- Missions will specifically target global challenges.
- Target clearly measurable and achievable with a portfolio of R&I measures.

Mission Starfish 2030

- **Restore our Ocean and Waters**
- Mission has five overarching objectives for 2030:
 - Filling the knowledge and emotional gap,
 - regenerating marine and freshwater ecosystems,
 - zero pollution,
 - decarbonising our ocean,
 - revamping governance



Timeline for Horizon Europe

- Start of the EH January 2021.
- Work programmes for the clusters end of Q2 2021.
- Partnerships planned to start Q4 2021.
- No info about the start of the Missions



GREEN DEAL CALL

Green Deal Call reminder

- EC launched a **€1 billion call** for research and innovation projects.
- To respond to the **climate crisis** and help protect Europe's unique **ecosystems and biodiversity**.
- Application have to consider the **Green Deal Policy** objectives.

- **Call deadline**
26th of January 2021
- **10 Call areas** with subtopics
- Mostly **RIA** and **IA projects**. Few CSA projects

Call areas

1. Increasing climate ambition (Priit Kilgas)
2. Clean, affordable and secure energy (Maria Habicht)
3. Industry for a clean and circular economy (Katrin Saar)
4. Energy and resource efficient buildings (Maria Habicht)
5. Sustainable and smart mobility (Maria Habicht)
6. Farm to fork (Katrin Saar)
7. Biodiversity and ecosystems (Priit Kilgas)
8. Zero-pollution, toxic-free environments (Katrin Saar)
9. Strengthening our knowledge in support of the European Green Deal (Priit Kilgas)
10. Area 10: Empowering citizens for the transition towards a climate-neutral, sustainable Europe (Katrin Kello)



ERA-NET BLUE BIOECONOMY

ERA-NET Blue Bioeconomy

FUTURE CALLS

- **Aim of the ERA-NET:** identify new and improve existing ways of bringing bio-based products and services to the market and find new ways of creating value from in the blue bioeconomy.
- 27 partners from 16 countries
- **Two more calls:** 2021 and 2022.
- Next call will probably be **Q3-4 of 2021.**

Support from Estonian Research Council

- Newsletter once a month: <http://uudiskiri.etag.ee/>
- News list: <https://www.etag.ee/teadusagentuur/avalik-teave>
- **Advisors** for the framework programme: NCP-d:
- **Information from ETAg:** www.horisont2020.ee,
- **Facebook group:** „välisteaduskoostöö“



THANK YOU!